IN THE CLAIMS

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(currently amended) An electronic grip frame for a paintball marker, comprising: 1. a frame;

a trigger movably connected to the frame; the trigger being movable between a resting position and a firing position; the trigger including an optical interface a prong portion emanating therefrom, which is movable with the trigger, and a finger contact side and a rear side opposite thereof;

an optical sensor mounted onto the frame proximal to the optical interface prong portion of the trigger and being capable of sensing movement thereof; , the optical sensor includes a light emitter and a light detector to detect light from the light emitter; the optical sensor being capable of sensing a break in passage of light between the light emitter and the light detector; the prong being movable between a position not between the light emitter and the light detector and a position between the light emitter and the light detector;

an electrical output connected to the optical sensor, the electrical output being capable of generating a first electrical signal indicative of the trigger at the resting position and a second electrical signal indicative of the trigger at the firing position.

- 2. (canceled).
- 3. (original) The electronic grip frame of Claim 2, wherein the prong emanates from the rear side of the trigger.
- 4. (canceled).
- 5. (original) The electronic grip frame of Claim 1, further comprising:

a first adjustable stop connected to the trigger to limit positioning of the trigger relative to the frame when the trigger is in the resting position.

- 6. (original) The electronic grip frame of Claim 1, further comprising:

 a second adjustable stop connected to the trigger to limit positioning of the trigger relative to the frame when the trigger is in the firing position.
- 7. (original) The electronic grip frame of Claim 1, further comprising: means for biasing the trigger into the resting position.
- 8. (original) The electronic grip frame of Claim 7, wherein the means for biasing is a ferrous set screw mounted in the trigger and a magnet attached to the frame at a location aligned with the ferrous set screw.
- 9. (original) The electronic grip frame of Claim 1, wherein the frame and trigger are made of metal.
- 10. (withdrawn).
- 11. (original) The electronic grip frame of Claim 1, wherein the trigger is pivotally connected to the frame.
- 12. (original) An electronic grip frame for a paintball marker, comprising: a frame;
- a trigger movably connected to the frame; the trigger being movable between a resting position and a firing position; the trigger including a non-contact interface portion, which is movable with the trigger, and a finger contact side and a rear side opposite thereof;

a non-contact sensor mounted onto the frame proximal to the non-contact interface portion of the trigger and being capable of sensing movement thereof;

an electrical output connected to the non-contact sensor; the electrical output being capable of generating a first electrical signal indicative of the trigger at the resting position and a second electrical signal indicative of the trigger at the firing position.

- 13. (original) The electronic grip frame of Claim 12, wherein the non-contact sensor is an optical sensor.
- 14. (original) The electronic grip frame of Claim 13, wherein the non-contact interface portion of the trigger is a prong emanating therefrom.
- 15. (original) The electronic grip frame of Claim 14, wherein the prong emanates from the rear side of the trigger.
- 16. (original) The electronic grip frame of Claim 14, wherein the optical sensor includes a light emitter and a light detector to detect light from the light emitter; the optical sensor being capable of sensing a break in passage of light between the light emitter and the light detector; the prong being movable between a position not between the light emitter and the light detector and a position between the light emitter and the light detector.
- 17. (original) The electronic grip frame of Claim 12, further comprising:
- a first adjustable stop connected to the trigger to limit positioning of the trigger relative to the frame when the trigger is in the resting position.
- 18. (original) The electronic grip frame of Claim 12, further comprising:

a second adjustable stop connected to the trigger to limit positioning of the trigger relative to the frame when the trigger is in the firing position.

- 19. (original) The electronic grip frame of Claim 12, further comprising: means for biasing the trigger into the resting position.
- 20. (original) The electronic grip frame of Claim 18, wherein the means for biasing is a ferrous set screw mounted in the trigger and a magnet attached to the frame at a location aligned with the ferrous set screw.
- 21. (original) The electronic grip frame of Claim 12, wherein the frame and trigger are made of metal.
- 22. (withdrawn).
- 23. (original) The electronic grip frame of Claim 12, wherein the trigger is pivotally connected to the frame.
- 24. (original) The electronic grip frame of Claim 12, further comprising:

 a microprocessor electrically connected to the electrical output of the non-contact sensor.
 - a sear solenoid electrically connected to the microprocessor;
 - a hammer mechanically connected to the sear solenoid;
 - a pin valve mechanically connected to the hammer; and
 - a source of gas fluidly connected to the pin valve.

Claims 25-33 (canceled).